

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

Web address: <http://water.usgs.gov/orh/nrwww/odrm>

Summary river data for October 4 - 10, 2004 (preliminary data-subject to revision)

RESERVOIR OPERATION DATA

Millions of gallons - 24 hour period, local time

Date	Discharge to river						Diversions to New York City water supply			Average June 1, 2004 to date
	Pepacton		Cannonsville		Neversink		Pepacton	Cannonsville	Neversink	
	release begin 1200	spill begin 0800	release end 2400	spill begin 0800	release begin 1500	spill begin 0800	beginning 0800	beginning 0800	beginning 0800	
Oct. 4	435	258	798	1	16	0	0	0	0	504
5	413	188	670	0	16	0	0	0	0	500
6	434	110	582	0	16	0	0	0	0	496
7	422	29	496	0	16	2	267	0	0	494
8	70	0	239	0	16	11	485	0	299	497
9	69	0	27	15	16	0	488	0	384	500
10	105	0	47	65	24	0	206	0	352	500

Pepacton Reservoir (P):	Available storage Oct. 11, 2004 (0800) Spillway crest elevation 1,280.00 ft.	139.510 billion gals. 99.5 % (elev. 1,279.63 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Oct. 11, 2004 (0800) Spillway crest elevation 1,150.00 ft.	96.253 billion gals. 100.6 % (elev. 1,150.34 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Oct. 11, 2004 (0800) Spillway crest elevation 1,440.00 ft.	34.306 billion gals. 98.2 % (elev. 1,438.71 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Oct. 11, 2004 (0800) Combined capacity at spillway level.	270.069 billion gals. 99.7 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Oct. 10, 2004 (2400) Spillway crest elevation 1,190.00 ft.	25.402 billion gals. 71.7 % (elev. 1,184.6 ft.) 35.451 billion gallons.

SEGREGATION OF FLOW, DELAWARE RIVER AT MONTAGUE AND  
PRECIPITATION IN UPPER DELAWARE RIVER BASIN

Discharge in cubic feet per second, local time as routed to Montague

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled <sup>2</sup>	Total Discharge	Excess Release Credits <sup>3</sup>		Precipitation (inches)	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
Oct. 4	0	667	1,417	25	878	592	6,621	10,200	0	5,209	0	.29
5	0	673	1,341	25	819	358	5,684	8,900	0	5,209	0	.29
6	0	673	1,235	25	821	390	4,726	7,870	0	5,209	0	.29
7	0	673	1,036	25	827	191	4,208	6,960	0	5,209	0	.29
8	0	639	900	25	827	578	3,801	6,770	0	5,209	0	.29
9	0	671	767	25	906	454	3,097	5,920	0	5,209	0	.29
10	0	653	370	25	904	702	2,496	5,150	0	5,209	0	.29

1. Release directed to maintain a flow at Montague of 1,820 cfs.

2. Includes conservation release of 100 cfs from Rio Reservoir.

3. The excess-release quantity for the seasonal period beginning June 15, 2004 is 13,556 cfs-days. Under normal conditions, 7,856 cfs-days are to be released and 5,700 cfs-days are to be used for a habitat bank per DRBC Docket No. D-77-20 CP, Revision 7.

Diversions by New Jersey through the Delaware & Raritan Canal October 4 -10, 2004 averaged 86.9 mgd. The average diversion for the 30-day period ending October 10, 2004 was 86.3 mgd and the maximum diversion during the period was 99 mgd on September 23 and 24, 2004.

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Summary river data for October 11 - 17, 2004 (preliminary data-subject to revision)

RESERVOIR OPERATION DATA

Millions of gallons - 24 hour period, local time

Date	Discharge to river					Diversions to New York City water supply			Average June 1, 2004 to date
	Pepacton		Cannonsville		Neversink	Pepacton	Cannonsville	Neversink	
	release begin 1200	release end 2400	spill begin 0800	release begin 1500	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Oct. 11	105	53	105	24	24	0	0	0	496
12	109	37	120	21	21	0	0	0	493
13	121	29	137	27	27	0	0	0	489
14	120	29	155	36	36	262	0	209	489
15	120	29	211	25	25	479	0	384	491
16	120	29	269	16	16	480	0	384	494
17	120	29	275	16	16	443	0	350	496

Pepacton Reservoir (P):	Available storage Oct. 18, 2004 (0800) Spillway crest elevation 1,280.00 ft.	138.737 billion gals. 99.0 % (elev. 1,279.21 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Oct. 18, 2004 (0800) Spillway crest elevation 1,150.00 ft.	96.880 billion gals. 101.2 % (elev. 1,150.73 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Oct. 18, 2004 (0800) Spillway crest elevation 1,440.00 ft.	33.591 billion gals. 96.1 % (elev. 1,437.24 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Oct. 18, 2004 (0800) Combined capacity at spillway level.	269.208 billion gals. 99.4 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Oct. 17, 2004 (2400) Spillway crest elevation 1,190.00 ft.	22.847 billion gals. 64.4 % (elev. 1,183.2 ft.) 35.451 billion gallons.

SEGREGATION OF FLOW, DELAWARE RIVER AT MONTAGUE AND  
PRECIPITATION IN UPPER DELAWARE RIVER BASIN

Discharge in cubic feet per second, local time as routed to Montague

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled <sup>2</sup>	Total Discharge	Excess Release Credits <sup>3</sup>		Precipitation (inches)	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
Oct. 11	0	108	42	25	906	496	2,993	4,570	0	5,209	0	.29
12	0	107	73	37	829	252	3,012	4,310	0	5,209	0	.29
13	0	162	82	37	896	188	2,745	4,110	0	5,209	0	.29
14	0	162	57	32	891	99	2,659	3,900	0	5,209	0	.29
15	0	169	45	42	900	0	2,634	3,790	0	5,209	.02	.31
16	0	187	45	56	829	18	3,175	4,310	0	5,209	.41	.72
17	0	186	45	39	832	383	4,305	5,790	0	5,209	.06	.78

1. Release directed to maintain a flow at Montague of 1,820 cfs.

2. Includes conservation release of 100 cfs from Rio Reservoir.

3. The excess-release quantity for the seasonal period beginning June 15, 2004 is 13,556 cfs-days. Under normal conditions, 7,856 cfs-days are to be released and 5,700 cfs-days are to be used for a habitat bank per DRBC Docket No. D-77-20 CP, Revision 7.

Diversions by New Jersey through the Delaware & Raritan Canal October 11 -17, 2004 averaged 76.6 mgd. The average diversion for the 30-day period ending October 17, 2004 was 82.2 mgd and the maximum diversion during the period was 99 mg on September 23 and 24, 2004.

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Summary river data for October 18 - 24, 2004 (preliminary data-subject to revision)

RESERVOIR OPERATION DATA

Millions of gallons - 24 hour period, local time

Date	Discharge to river					Diversions to New York City water supply			Average June 1, 2004 to date
	Pepacton		Cannonsville		Neversink	Pepacton	Cannonsville	Neversink	
	release begin 1200	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800		
Oct. 18	117	29	292	16	0	0	0	493	
19	67	29	383	16	0	0	0	489	
20	53	29	396	16	0	0	0	486	
21	50	29	412	16	327	0	253	486	
22	40	29	423	16	498	101	385	490	
23	41	29	440	16	498	0	385	493	
24	50	29	439	16	454	0	353	495	

Pepacton Reservoir (P):	Available storage Oct. 25, 2004 (0800) Spillway crest elevation 1,280.00 ft.	138.756 billion gals. 99.0 % (elev. 1,279.22 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Oct. 25, 2004 (0800) Spillway crest elevation 1,150.00 ft.	97.235 billion gals. 101.6 % (elev. 1,150.95 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Oct. 25, 2004 (0800) Spillway crest elevation 1,440.00 ft.	33.245 billion gals. 95.1 % (elev. 1,436.52 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Oct. 25, 2004 (0800) Combined capacity at spillway level.	269.236 billion gals. 99.4 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Oct. 24, 2004 (2400) Spillway crest elevation 1,190.00 ft.	23.395 billion gals. 66.0 % (elev. 1,183.5 ft.) 35.451 billion gallons.

SEGREGATION OF FLOW, DELAWARE RIVER AT MONTAGUE AND  
PRECIPITATION IN UPPER DELAWARE RIVER BASIN

Discharge in cubic feet per second, local time as routed to Montague

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled <sup>2</sup>	Total Discharge	Excess Release Credits <sup>3</sup>		Precipitation (inches)	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
Oct. 18	0	186	45	25	734	103	3,607	4,700	0	5,209	0	.78
19	0	186	45	25	498	103	4,143	5,000	0	5,209	.84	1.62
20	0	186	45	25	499	71	10,174	11,000	0	5,209	.26	1.88
21	0	181	45	25	492	181	7,666	8,590	0	5,209	.02	1.90
22	0	104	45	25	468	170	6,158	6,970	0	5,209	.06	1.96
23	0	82	45	25	625	287	5,456	6,520	0	5,209	0	1.96
24	0	77	45	25	644	206	4,853	5,850	0	5,209	0	1.96

1. Release directed to maintain a flow at Montague of 1,820 cfs.

2. Includes conservation release of 100 cfs from Rio Reservoir.

3. The excess-release quantity for the seasonal period beginning June 15, 2004 is 13,556 cfs-days. Under normal conditions, 7,856 cfs-days are to be released and 5,700 cfs-days are to be used for a habitat bank per DRBC Docket No. D-77-20 CP, Revision 7.

Diversions by New Jersey through the Delaware & Raritan Canal October 18 -24, 2004 averaged 85.0 mgd. The average diversion for the 30-day period ending October 24, 2004 was 81.5 mgd and the maximum diversion during the period was 97 mg on September 25 and October 16, 2004.

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Summary river data for October 25 - 31, 2004 (preliminary data-subject to revision)

RESERVOIR OPERATION DATA

Millions of gallons - 24 hour period, local time

Date	Discharge to river					Diversions to New York City water supply			Average June 1, 2004 to date
	Pepacton		Cannonsville		Neversink	Pepacton	Cannonsville	Neversink	
	release begin 1200	release end 2400	spill begin 0800	release begin 1500	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Oct. 25	50	29	428	16	16	0	0	0	491
26	60	29	417	16	16	0	0	0	488
27	60	29	400	16	16	0	0	0	485
28	69	29	378	16	16	307	0	222	485
29	70	29	353	16	16	498	0	384	488
30	70	30	335	16	16	497	0	385	490
31	76	29	333	18	18	498	0	385	493

Pepacton Reservoir (P):	Available storage Nov. 1, 2004 (0800) Spillway crest elevation 1,280.00 ft.	138.443 billion gals. 98.8 % (elev. 1,279.05 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Nov. 1, 2004 (0800) Spillway crest elevation 1,150.00 ft.	96.961 billion gals. 101.3 % (elev. 1,150.78 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Nov. 1, 2004 (0800) Spillway crest elevation 1,440.00 ft.	32.481 billion gals. 93.0 % (elev. 1,434.92 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Nov. 1, 2004 (0800) Combined capacity at spillway level.	267.885 billion gals. 98.9 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Oct. 31, 2004 (2400) Spillway crest elevation 1,190.00 ft.	22.124 billion gals. 62.4 % (elev. 1,182.8 ft.) 35.451 billion gallons.

SEGREGATION OF FLOW, DELAWARE RIVER AT MONTAGUE AND  
PRECIPITATION IN UPPER DELAWARE RIVER BASIN

Discharge in cubic feet per second, local time as routed to Montague

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled <sup>2</sup>	Total Discharge	Excess Release Credits <sup>3</sup>		Precipitation (inches)	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
Oct. 25	0	62	45	25	858	57	4,623	5,670	0	5,209	0	1.96
26	0	63	45	25	965	0	4,342	5,440	0	5,209	0	1.96
27	0	77	45	25	1,048	0	3,975	5,170	0	5,209	0	1.96
28	0	77	45	25	467	113	3,793	4,520	0	5,209	0	1.96
29	0	93	45	25	502	64	3,691	4,420	0	5,209	0	1.96
30	0	93	45	25	417	138	3,412	4,130	0	5,209	.06	2.02
31	0	107	45	25	0	0	3,683	3,860	0	5,209	0	2.02

1. Release directed to maintain a flow at Montague of 1,820 cfs.

2. Includes conservation release of 100 cfs from Rio Reservoir.

3. The excess-release quantity for the seasonal period beginning June 15, 2004 is 13,556 cfs-days. Under normal conditions, 7,856 cfs-days are to be released and 5,700 cfs-days are to be used for a habitat bank per DRBC Docket No. D-77-20 CP, Revision 7.

Diversions by New Jersey through the Delaware & Raritan Canal October 25 -31, 2004 averaged 88.3 mgd. The average diversion for the 30-day period ending October 31, 2004 was 85.1 mgd and the maximum diversion during the period was 97 mg on October 16, 2004.